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CATALOGUE

SHOWING THE

SUBJECT OR TITLE

OF

EVERY PATENT

GRANTED BY THE U. S. GOVERNMENT,

Prior to the year 1855 ;

AND THE

NUMBER ISSUED UNDER EACH TITLE.

BY

J. S. BROWN, A. M.

WASHINGTON :
HENRY POLKINHORN, PRINTER.
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Entered according to ACT OF CONGRESS, in the year 1855, by
J. S. BROWN,
In the Clerk's Office of the District Court for the District of Columbia.

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CATALOGUE.

SUBJECT.	No.	SUBJECT.	No.
Abdominal and uterine supporters.....	22	Archil, preparation of.....	2
Accordions.....	2	Architecture, naval.....	2
Account books.....	3	Areas, irregular, measuring.....	1
Accounts, keeping.....	1	Arithmetic, teaching.....	2
Accoucheurs' chairs.....	3	Ark, safety.....	1
Acid, for points and lightning rods.....	1	Asbestos, use of in stoves.....	1
Acid, sulphuric, manufacture of.....	5	Asclepias Syriaca, use of in manufactures	1
Acid, vegetable.....	1	Ashes, leaching.....	1
Acid and naphtha from rosin, distilling...	1	Astronomical machines.....	1
Acids, margarie, stearic & oleic, separating	2	Augers.....	56
Acids, mixing for dyeing woolens.....	1	Augers for boring earth.....	1
Acoustic drums.....	1	Awl hafts.....	10
Adding machines.....	2	Awnings.....	2
Aeolian attachments.....	2	Axes.....	21
Agriculture, improvement in.....	1	Axes, machines for making.....	2
Ague and fever, specific for.....	1	Axes, pick.....	2
Air, apparatus for condensing.....	1	Axles, car.....	8
Air-back for chimneys.....	1	Axletrees.....	35
Air engines.....	21	Baby jumpers.....	1
Air heaters.....	3	Baby tenders.....	1
Air, propelling machinery by.....	5	Bagasse, drying.....	3
Air, supplying to stoves.....	2	Baggage, securing.....	1
Alarms.....	9	Bags.....	2
Alarms, burglars'.....	8	Bags, paper, machine for making.....	1
Alarms, for indicating want of water in boilers.....	3	Bakers.....	14
Alcohol, manufacture of.....	7	Balances.....	78
Alembics, vaporous.....	1	Balance pedestals, design for.....	1
Alkali, extracting.....	2	Bales of cotton, floating in rafts.....	1
Alkaline chromates, manufacture of.....	1	Bales of goods, roping.....	1
Alloys.....	5	Balloons.....	4
Alum, manufacture of.....	2	Balls.....	2
Alumina, sulphate of.....	1	Balls, cannon, of malleable iron.....	1
Amalgamators.....	1	Balls, machine for throwing.....	1
Amputating apparatus.....	1	Ball stocks, printers'.....	1
Anchors.....	6	Balsam, lavender.....	1
Anchors dragging, preventing.....	2	Bandages, pad.....	1
Andirons.....	10	Band boxes, manufacture of.....	2
Anglets.....	1	Bands.....	4
Anglers' float and sinker, combined.....	1	Bands, metallic.....	4
Annunciators.....	3	Bank notes.....	5
Annunciators, electro-magnetic.....	1	Barge and army boats, portable, safety...	1
Annulets.....	1	Barilla, from tobacco stems.....	1
Anodynes and alteratives.....	2	Bark mills.....	38
Anti-bilious pills.....	1	Barks, extracts from.....	8
Anti-friction wheels, application to steam- boats.....	1	Barometers.....	1
Anvils.....	5	Barrels, casks &c.....	20
Apples, gathering.....	2	Barrel carriages.....	1
Apples, grinding.....	14	Barrels, gun.....	15
Apple-paring machines.....	7	Barrel machinery.....	12
Apples, cutting.....	11	Bars from rivers, removing.....	1
		Bars, metallic.....	2
		Bars, mosquito.....	1

SUBJECT.	No.	SUBJECT.	No.
Baskets, manufacture of.....	2	Bleeding with leeches.....	1
Baskets, for catching fish.....	1	Blinds, window.....	7
Bathers, uterine.....	1	Blinds, window, metallic.....	1
Bathing apparatus.....	21	Blind operators and fasteners.....	65
Bathing tubs.....	2	Blind-slat machines.....	2
Baths, shower.....	11	Blind horses, curing.....	1
Baths, vapor.....	9	Blocks, ships'.....	34
Bats, for felting.....	2	Blocks of wood for paving.....	2
Batteries, floating.....	3	Blocks for printing fabrics.....	1
Batteries, submarine.....	1	Blocks, stereotype.....	12
Bayonet sockets.....	1	Blood, purifying the.....	2
Beaming hides and skins.....	2	Blowers.....	14
Beams, metallic.....	1	Blowers, steamboat.....	1
Beams, sheet-metal.....	1	Blower-stand, design for.....	1
Bee hives.....	90	Blow-pipes.....	5
Bee houses.....	4	Blow-pipes, dentists'.....	1
Beef, dried, apparatus for cutting.....	2	Blow-pipes, hydro-oxygen.....	1
Beef-steaks, preparing for cooking.....	1	Blubber knives.....	2
Bed bug destroyers.....	7	Blubber, machines for cutting.....	3
Bed clothes, hasps for.....	1	Boarding machine, for softening hides.....	1
Bed pins, machines for making.....	2	Boards, seasoning.....	2
Beds.....	34	Boards, shearing.....	1
Bedsteads.....	155	Boats.....	60
Bedsteads, sofa.....	12	Boats, India-rubber.....	1
Bedsteads, invalids'.....	2	Boats, life.....	4
Bedstead fastenings.....	17	Boats and vessels, construction of.....	58
Bedsteads, designs for.....	3	Boats to facilitate the discharge of car-	
Redstead, wardrobe and bureau, combined	1	goes.....	1
Beer, manufacture of.....	7	Bobbins.....	11
Bells.....	13	Bodkins.....	1
Bells, fog.....	1	Bog and bush cutting machines.....	6
Bells, ringing.....	2	Boilers, adjustable.....	1
Bellows.....	30	Boilers, for culinary purposes.....	26
Belts, leather.....	2	Boilers, steam.....	148
Benches.....	3	Boilers, steam, revolving.....	2
Benches, shoe.....	2	Boilers, stone, for chemical purposes.....	1
Bench hooks.....	1	Boilers, indicating height of water in.....	9
Benches, tailors'.....	1	Boilers, regulating supply of water to.....	5
Bending mast and truss hoops.....	3	Boilers, safety apparatus for.....	19
Benzole vapor, for lights, manufacture of	4	Boiling liquids.....	1
Bevel gear.....	1	Bolts.....	20
Bevel surfaces, sawing.....	2	Bolts, machines for making.....	4
Bilges, lever for supporting ships'.....	4	Bolting machines.....	22
Bilge water, apparatus for discharging.....	1	Bomb shells.....	4
Bilge ways.....	1	Bones, apparatus for setting.....	1
Bill registers.....	1	Bonnets.....	3
Bills of credit.....	1	Bonnets, pressing.....	3
Bills of exchange.....	1	Bonnet-frames, wire.....	1
Binders' board, machine for cutting.....	1	Books, binding.....	17
Binding grain, machines for.....	2	Books, cutting leaves of.....	1
Binnacle lights.....	3	Books, machines for turning leaves of.....	3
Bits, expansible.....	2	Books, paging.....	8
Bits, spiral, for cutting screws.....	1	Book safes.....	1
Bit braces.....	5	Booms.....	1
Bitters, jaundice.....	1	Boot crimps.....	36
Bitterings from salt kettles, separating.....	1	Boot forms, machine for dressing.....	1
Bit fasteners.....	2	Boot heels, revolving.....	1
Biting figures on steel cylinders for calico		Boot jacks.....	2
printing.....	1	Boot patterns.....	1
Blacking.....	2	Boot soles, cutting pegs out of.....	2
Blankets.....	3	Boot trees.....	4
Blasting.....	10	Boots and shoes, cutting out.....	10
Bleaching.....	15	Boots and shoes, machines for trimming	
Bleeding instruments.....	1	soles of.....	2

SUBJECT.	No.	SUBJECT.	No.
Boots and shoes, manufacture of.....	62	Brushes, painters'.....	1
Boots and shoes, screw fastenings for.....	1	Brushes, shaving.....	1
Boots, cork soles for.....	1	Brushes, tooth.....	1
Boots, lasting, machines for.....	3	Buckets.....	2
Boring and tapping for water, under hydro- static pressure.....	2	Buckles.....	36
Boring earth.....	7	Buckwheat, machines for cleaning.....	2
Boring machines.....	42	Buds, delaying blossoming of.....	1
Boring metals.....	20	Buggy tops.....	1
Bottles.....	2	Bugles.....	2
Bottles, clay.....	1	Buildings.....	10
Bottles, valve gauge for.....	1	Buildings, removing.....	1
Bottle stoppers.....	10	Bulk-heads, for steam boats.....	1
Bottles, cleansing.....	2	Bullets.....	4
Bougies.....	1	Bullet moulds.....	1
Box traps.....	1	Bumpers, car.....	3
Boxes, anti-friction.....	3	Bungs, machines for making.....	7
Boxes, ballot.....	1	Bureaus.....	3
Boxes, boot.....	1	Burners.....	4
Boxes, casing with sheet metal.....	1	Burning fluid.....	1
Boxes, instruments for opening.....	2	Burning machines.....	10
Boxes, journal.....	18	Bushes, mill.....	7
Boxes, manufacture of.....	9	Busts, designs for.....	8
Boxes, marking.....	1	Butter from firkins, instrument for cutting	1
Boxes, paper, machine for making.....	1	Butter, making.....	5
Boxes, prismatic, removing.....	1	Butter workers.....	10
Bowls, wooden, machine for turning.....	1	Button holes, instrument for cutting.....	1
Braces, body and shoulder.....	6	Buttons.....	44
Brackets, designs for.....	3	Cables.....	3
Braiding machines.....	9	Cables, chain.....	2
Brakes, carriage, car &c.....	66	Cables, relieving.....	1
Brauds.....	3	Cabooses.....	12
Bran dusters.....	9	Caissons.....	2
Brandy, manufacture of.....	2	Calashes, balloon, for ladies.....	1
Bread cutters.....	1	Calcareous earth, treatment of.....	1
Bread, making.....	9	Calculating machines.....	7
Bread soup, portable.....	1	Caldron and furnace, combined.....	1
Breaking stone.....	4	Calendars.....	1
Breathing tubes.....	1	Calico printing.....	11
Breast cups.....	3	Calipers.....	3
Breast pumps.....	5	Calking vessels.....	2
Breast, artificial.....	1	Caloriferes.....	1
Breech pins.....	1	Camphor, refining.....	3
Brewing.....	7	Camera stand, design for.....	1
Bridges.....	77	Canal boats, siphon for freeing from water	1
Bridges, travelling.....	1	Canals, navigating.....	13
Brick machines.....	236	Canals, construction of.....	27
Bricks, air-conducting.....	1	Cancers, curing.....	2
Bricks, burning.....	11	Candles, manufacture of.....	36
Bricks, coloring.....	1	Candlesticks.....	9
Bricks, cornice.....	1	Cane coverers.....	1
Bricks, fire, composition for.....	1	Cane cutters.....	4
Bridles.....	1	Cane juice, clarifying.....	2
Bridle bits.....	1	Cane juice, expressing.....	2
Bristles, cleansing and assorting.....	1	Can hooks.....	1
Bromine, manufacture of.....	1	Canisters, sealing.....	1
Bronchitis, cure of.....	1	Cannons.....	26
Bronze powder, manufacture of.....	1	Cans.....	1
Broom corn, machines for preparing.....	3	Cans, cotton.....	2
Brooms, manufacture of.....	13	Cans, for holding liquids.....	2
Brushes.....	22	Cans, oil.....	2
Brushes, for blending colors.....	1	Cans, shoe.....	1
Brushes, hair.....	2	Canvass, frames for stretching.....	1
Brushes, hair, design for.....	1	Caoutchouc, vulcanizing & manufacturing	42
		Caoutchouc, cutting into shreds.....	1

SUBJECT.	No.	SUBJECT.	No.
Caps, manufacture of.....	2	Cheese nets.....	2
Caps, percussion, machines for making...	2	Cheese shelves.....	1
Cap spinners.....	2	Cheese vats.....	1
Capstans and windlasses.....	27	Chemises.....	3
Carding.....	3	Chickens, apparatus for feeding.....	1
Carding, composition applied to.....	1	Chickens, hatching.....	3
Carding machines.....	75	Chimney caps.....	6
Cards, cleaning.....	2	Chimneys.....	59
Cards, machine for dealing.....	1	Chisels.....	1
Card teeth.....	3	Chlorine, neutralizing.....	1
Cargoes, determining weight of, in vessels	2	Chocolate, moulding.....	1
Carpentering, art of.....	1	Chromates, process for obtaining.....	1
Carpet-bag frames.....	1	Chronometers.....	4
Carpet bags.....	1	Chucks.....	3
Carpet cleaning machines.....	2	Churn doors, design for.....	1
Carpets.....	18	Churns.....	248
Carpets, designs for.....	6	Cigars, manufacture of.....	4
Carpets, securing to floors.....	1	Cigars, self-lighting.....	1
Carpet stretchers.....	1	Circumferenter.....	1
Carriages.....	145	Cisterns.....	13
Carriages, gun.....	5	Cisterns, boiling.....	1
Carriage plates, design for.....	1	Clamps, carpenters'.....	2
Carriages, seats of.....	4	Clamps, shoemakers'.....	3
Carriages, steam.....	3	Clamps, for holding paper.....	1
Cars.....	114	Clap-board joints.....	1
Cars, apparatus for replacing upon tracks	3	Clap-boards, machinery for making.....	15
Cars, dumping.....	9	Clavicle adjusters.....	1
Car tickets, holding.....	2	Clevises.....	8
Cartouches.....	3	Climbing machine.....	1
Cartridges.....	5	Clocks.....	76
Carts.....	6	Clocks, calendar.....	4
Carts, self-loading.....	2	Clocks, galvanic and electric.....	2
Carving machines.....	6	Clocks, illuminated.....	1
Carving machines, bits for.....	1	Clocks, designs for.....	12
Casks, &c., turning out of solid pieces.....	1	Clogs, or pattens.....	1
Casting.....	20	Clothes clamps.....	5
Catamenial supporters.....	1	Clothes horses.....	3
Cataracts, removing.....	2	Clothes pins.....	4
Catches and clasps.....	6	Clothes, scouring.....	1
Catholicon.....	1	Cloth, bucking.....	1
Caviar, preparation of.....	1	Cloth-cutting instruments.....	8
Ceilings, fire-proof.....	2	Cloth, machines for folding and measuring	8
Cements.....	44	Cloth, machines for shearing and dressing..	58
Cements, hydraulic.....	2	Cloth, machines for stretching and drying	9
Centre boards.....	4	Cloth, manufacture of.....	39
Chains.....	8	Clover harvesters.....	5
Chains, safety, for hauling down ships.....	3	Clover hullers.....	71
Chairs, dental.....	3	Club feet, apparatus for curing.....	3
Chairs, enema.....	1	Clutches.....	4
Chairs, invalids'.....	3	Coaches, mail.....	3
Chairs, invalids', locomotive.....	1	Coach lace, looms for weaving.....	2
Chairs, library-step.....	1	Coal breakers.....	2
Chairs, manufacture of.....	38	Coal, preparation of.....	12
Chairs, marine.....	1	Coats, blocks for stretching.....	1
Chairs, railroad.....	10	Coat forms.....	1
Chandeliers.....	2	Cob cutters.....	1
Chandeliers, design for.....	1	Cockeyes for harnesses.....	1
Channels, deepening.....	1	Cocks.....	60
Charcoal burners.....	1	Cocoa grass, destroying.....	1
Charcoal, manufacture of.....	5	Cocoanut cutters.....	1
Chargers, attached to fire arms.....	1	Cocooneries.....	2
Checks, blanks for.....	4	Coffee and tea, making.....	2
Cheese cutters.....	2	Coffee extractors.....	1
Cheeses, making and curing.....	4	Coffee pots.....	7

SUBJECT.	No.	SUBJECT.	No.
Coffee roasters.....	9	Corking apparatus.....	26
Coffins and burial cases.....	9	Corks.....	5
Coin, counterfeit, detectors.....	3	Corn and grain hullers.....	19
Coins, apparatus for counting.....	1	Corn and seed planters.....	116
Coke, manufacture of.....	2	Corn huskers.....	2
Collars, coat.....	1	Corn shellers.....	131
Collars, harness.....	14	Corn stalks, cutting.....	5
Collars, shirt.....	2	Corns, eradicating.....	2
Collision, preventing, on railroads.....	1	Corns, tincture, for curing.....	1
Collodion for photographic pictures.....	1	Corn planting.....	2
Coloring and hardening wood.....	2	Corsets.....	5
Colors.....	9	Corselets, for curved spines.....	1
Colors, imprinting.....	1	Cosmetics, manufacture of.....	1
Columns, cast-iron.....	1	Cotton batting.....	5
Combs, designs for.....	5	Cotton cleansers.....	22
Combs, manufacture of.....	69	Cotton, cultivating.....	10
Combustion of fuel.....	1	Cotton, drying.....	1
Compasses.....	19	Cotton gatherers.....	2
Compasses, for measuring joints.....	1	Cotton gins.....	87
Compositions, fire-proof.....	7	Cotton, gun.....	1
Compositions, for artificial stone.....	13	Cotton-inspecting machine.....	1
Compositions, for blasting rocks.....	1	Cotton, manufacture of.....	4
Compositions, for burning.....	2	Cotton seed for food, preparing.....	1
Compositions, for covering metals.....	11	Cotton stalks, cutting.....	2
Compositions, for door knobs.....	1	Cotton thread, covering with wool.....	1
Compositions, for lubricating.....	13	Cotton, waste, rags &c., dressing.....	1
Compositions, for making fringe and tassel moulds.....	1	Couches.....	2
Compositions, for medical purposes.....	6	Cough drops.....	1
Compositions, metallic, for packing.....	1	Counterfeit notes, detecting.....	2
Compositions, metallic, for sheathing ves- sels.....	3	Counterfeits, preventing.....	8
Compositions, for pencils.....	4	Counterpanes.....	1
Compositions, for preserving provisions.....	3	Countersinks.....	1
Compositions, for preserving wood, &c.....	15	Counters, store.....	1
Compositions, for tables.....	1	Couplings, ear.....	12
Compositions, for taking off the glaze of mill stones.....	1	Cow-catchers.....	1
Compositions, for treating wool.....	1	Cracker machines.....	30
Compositions, for writing & drawing books.....	1	Cradles.....	13
Compositions, substitute for joss sticks.....	1	Cradles, grain.....	9
Compositions, water-proof.....	3	Cranes.....	5
Compounds, explosive, for propelling ma- chinery.....	1	Crank indicator.....	1
Compounds, for the hair.....	3	Crayon rubbers.....	2
Compounds, for leather.....	7	Cream of tartar, preparation of.....	1
Compressed air, for drawing liquids.....	1	Cream, preparation of.....	2
Conception, instrument for preventing.....	1	Croup in poultry, curing.....	2
Condensers.....	7	Crow killers.....	4
Condensers, for steam engines.....	20	Crozing machines.....	2
Conduits.....	8	Crucibles.....	3
Confectionery, manufacture of.....	3	Cruppers.....	1
Consumption, cure of.....	2	Crushers, corn.....	2
Coopering.....	6	Crutches.....	1
Copper, acetate of.....	1	Crystallizing tin.....	1
Copperas, manufacture of.....	1	Cultivator plows.....	1
Cop tubes.....	1	Cultivators.....	135
Copy books, method of binding.....	1	Cultivators, bog-cutting.....	1
Copying machines.....	3	Cupid, magnetic.....	1
Copying presses.....	3	Cupping instruments.....	1
Cordage, manufacture of.....	83	Cups and saucers, metallic.....	1
Cordials.....	3	Curbs, well.....	2
Cords, couplings for.....	1	Curd cutters.....	2
Cork-cutting machines.....	3	Curing meat, processes for.....	4
		Current wheels.....	2
		Curriers' beams and knives.....	2
		Curriers' knives.....	12
		Curry combs.....	10

SUBJECT.	No.	SUBJECT.	No.
Currying leather.....	3	Dresses, ladies', cutting.....	3
Curtains, and fixtures.....	13	Drilling rocks.....	40
Cushions.....	1	Drills, dentists'.....	2
Cutting cane, bushes &c.....	1	Drills, grain.....	93
Cutting fodder.....	5	Drills, hand, cutting.....	1
Cutting grain and grass.....	39	Drop bridges.....	3
Cutlery.....	6	Dropsy and epilepsy, cure of.....	1
Cutting paper, machines for.....	1	Drums, for machinery.....	1
Cutting presses, bookbinders'.....	2	Drying and oxydizing colored goods.....	1
Cylinders, toothed, mode of making.....	2	Dry docks.....	50
Daguerreotypes, taking.....	37	Drying fruit.....	1
Dairy coolers.....	1	Drying grain.....	22
Dampers.....	2	Drying machines.....	1
Dampers of steam engines, regulating.....	1	Ducks, mode of catching.....	1
Damping paper.....	2	Duck, yarn for.....	1
Dams.....	7	Dust, metallic, removing.....	1
Davits, ships'.....	1	Dyeing.....	38
Dead bodies, preserving.....	1	Dye woods, cutting.....	18
Dead-eyes, cutting & boring lanyard scores in.....	1	Dynamometers.....	1
Dental cups, hydraulic.....	1	Dysentery and dyspepsy, cure of.....	1
Dentists' instruments.....	1	Ear-rings.....	1
Dentrifices.....	1	Ear, instrument for examining the.....	1
Derrieks.....	4	Earthen ware and pottery.....	12
Desks.....	2	Edge-planes, for shoemakers.....	3
Diamonds, setting.....	1	Education tables.....	1
Diaper pins.....	1	Eggs, hens', preserving in the nest.....	1
Dies.....	10	Elaine and stearine, separating.....	1
Dies, substitute for etching.....	1	Elastic goods.....	1
Discharging cargoes from vessels.....	4	Electrical apparatus.....	6
Dislocations, apparatus for reducing.....	1	Electricity, copying surfaces by.....	1
Distances, measuring.....	4	Electricity, removing from wool.....	1
Distilling.....	192	Electro-magnetic alarms.....	3
Ditching machines.....	8	Electro-magnetism.....	6
Dividing machines.....	2	Electrotyping.....	1
Diving bells.....	3	Elevators, for pots and kettles.....	1
Diving dresses.....	9	Elevators, water.....	76
Divitials for preventing forgeries.....	1	Elixirs.....	3
Docks of horses, holding.....	2	Ellipses, cutting.....	1
Doffers.....	2	Embankments and levees, forming.....	1
Dog power, application of.....	1	Emery, manufacture of.....	2
Domes, construction of.....	1	Enamelling.....	4
Door fasteners.....	15	Engines, actuating by bi-sulphuret of car- bon.....	1
Door knobs.....	29	Engines, electro-magnetic.....	8
Door knockers.....	1	Engines, fire.....	4
Door plates.....	7	Engines, gas.....	8
Doors.....	21	Engines, hydraulic.....	37
Doors, fixtures for closing.....	1	Engines, oscillating.....	5
Door springs.....	13	Engines, steam.....	344
Dough, kneading.....	16	Engraving.....	2
Dovetailing boards.....	5	Engraving, machines for.....	4
Dowelling bit.....	1	Engraving on glass.....	1
Dowels, coopers'.....	2	Envelopes, machines for making.....	3
Drags, for removing stones from bottoms of lakes.....	2	Escapements, for clocks.....	5
Drafting machines.....	8	Ether, apparatus for administering.....	1
Drawers.....	1	Evaporating.....	19
Drawers, for wearing.....	1	Excavators.....	84
Drawing frames.....	5	Exercising machines.....	7
Drawing instruments.....	2	Explorers, submarine.....	1
Drawing knives.....	1	Extracts.....	2
Drawings, machines for making.....	3	Extinguishers, fire and chimney.....	7
Drawing machine, centrifugal.....	1	Extinguishing fire in inaccessible places..	1
Dredging machines.....	6	Eyelet machines.....	4
		Fabrics, bleached, dechlorinating.....	1

SUBJECT.	No.	SUBJECT.	No.
Fabrics, corded, weaving.....	1	Float valve, for discharging condensed wa-	
Fabrics, long-nap, printing.....	1	ter.....	1
Fabrics, particolored, weaving.....	2	Flocks, machines for preparing.....	6
Fabrics, plain and figured, manufacture of	8	Floor cloths, designs for.....	5
Fac-similes, delineating.....	1	Floor cloths, printing.....	6
Fans.....	2	Floor plates, for malt kilns.....	1
Fans, automatic.....	2	Flour barrels, ventilating.....	1
Fans, exhaust.....	1	Flour, cooling and preserving.....	22
Fastenings, for garments.....	6	Flower pots.....	1
Fats and oils, purifying.....	9	Flowers, artificial, manufacture of.....	1
Faucets.....	19	Flues.....	13
Feathers, cleaning.....	19	Fluids, discharging.....	2
Febrifuges.....	1	Fluids, distributing.....	2
Feeding apparatus, for boilers.....	4	Fluids, measuring.....	5
Feet, reel for straightening the.....	1	Flumes.....	2
Fellies, machines for making.....	6	Flutes.....	2
Felt, manufacture of.....	14	Fly brushes.....	1
Felting cloth.....	2	Fly drivers.....	1
Fences.....	23	Fly traps.....	4
Fences, cast-iron, designs for.....	2	Fly wheels.....	1
Fences, construction of.....	4	Foot stools, designs for.....	2
Fences, iron.....	17	Forceps, dental.....	2
Fenders.....	5	Forebays, regulating.....	2
Fenders, for boats.....	2	Forks, manure and hay.....	13
Fermenting.....	7	Fort, iron, constructing.....	1
Ferrules.....	1	Foundations, securing stone in.....	1
Ferrules, wire.....	2	Fountains.....	2
Ferry boats, guards for.....	1	Fountain and evaporator, combined.....	1
Fetters.....	1	Fractures, apparatus for treating.....	6
Fibres, treating vegetable.....	8	Frame, glass, for pictures.....	1
Fibrous material, combing.....	1	Freezers, artificial.....	7
Fibrous substances, gilding and plating..	1	Fret work painting.....	1
Fids, for ships' masts.....	1	Friction matches, manufacture of.....	17
Figures, ornamental, burning upon wood..	1	Friction, reducing.....	5
Files and rasps, manufacture of.....	26	Friction rollers.....	9
Files, for papers.....	9	Fringes, shawl, machine for twisting.....	1
File supporters.....	1	Fringes, paper, machine for cutting.....	1
Filters.....	27	Frogs, railroad.....	4
Filters, for steam boilers.....	2	Fruit gatherers.....	4
Fire alarms.....	4	Fuel.....	8
Fire arms.....	102	Fuel, granular.....	1
Fire arms, breech-loading.....	18	Fulling, chemical process for.....	1
Fire arms, repeating.....	16	Fulling mills.....	15
Fire boxes.....	3	Funnels.....	2
Fire escapes and ladders.....	15	Furnaces.....	111
Fire-kindling machine.....	1	Furnaces, designs for.....	4
Firemen, machine for protecting.....	1	Furnaces, for calcining gypsum.....	2
Fire places.....	72	Furnaces, for smelting and working metals.	63
Fire places, design for.....	1	Furnaces, for steam boilers.....	17
Fires, compounds for extinguishing.....	2	Furnaces, glass.....	3
Fish, catching.....	3	Furnaces, hot air.....	14
Fish hooks.....	8	Furniture.....	2
Fishing mills, floating and silent.....	1	Furniture ornaments, designs for.....	3
Fish, mode of carrying in warm weather.	1	Furs, dressing.....	23
Fishing rods and floats.....	1	Fuses, for blasting.....	2
Fish, spinning bait for catching.....	1	Gaffs, sail.....	1
Fish vessels and nets.....	1	Galley, ship's for distillation of salt water	1
Flannels, wetting.....	1	Galvanic batteries.....	6
Flasks, powder.....	1	Galvanic regulators, for steam boilers....	1
Flax and hemp, hackling and dressing...130		Galvanic instruments.....	2
Flax and hemp pullers.....	3	Galvanism.....	2
Flax, picking and cleaning.....	1	Gardens, geographical.....	1
Flies, killing.....	1	Garlic separators.....	2
Fliers.....	6	Garments, apparatus for pressing.....	2

SUBJECT.	No.	SUBJECT.	No.
Garments, cutting and making.....	76	Grindstones.....	4
Gas burners.....	11	Gripes, for holding leather.....	2
Gas, manufacture of.....	34	Grommets.....	3
Gas metres.....	12	Grommets, metallic.....	1
Gas pipes.....	1	Gudgeons.....	7
Gas regulators.....	7	Guide posts.....	2
Gates, farm.....	23	Guitars.....	5
Gates, metallic, design for.....	1	Guitars, design for.....	1
Gates, railroad.....	1	Gum-elastic, applying to vessels.....	1
Gates, water.....	14	Gum senegal, substitute for.....	1
Gauges.....	5	Gunpowder, manufacture of.....	14
Gauges, pressure.....	10	Guns, magazine.....	3
Gauges, saw.....	1	Gutta percha, preparing & manufacturing.....	16
Gearing.....	33	Gypsum, applied to cisterns.....	1
Gelatine.....	1	Hackling broom-corn brushes.....	1
Genealogy and echronology, representing.....	1	Hair cloth, manufacture of.....	1
Generators, steam.....	47	Hair, manufacture of.....	42
Geography and astronomy, teaching.....	1	Hair, treating, for wearing.....	1
Gigs.....	1	Hame fastenings.....	1
Gilding and silvering, in dead colors.....	1	Hame tugs.....	1
Gilding copper.....	1	Hammers.....	16
Gimlets.....	4	Hammers, steam.....	3
Gin, manufacture of.....	1	Hammers, trip.....	24
Girandoles, designs for.....	3	Hand rails, sawing.....	1
Glasses and lenses.....	2	Harmonicons.....	1
Glass, manufacture of.....	44	Harnesses from horses, detaching.....	2
Glass, ornamental painting on.....	1	Harnesses, manufacture of.....	64
Glass pipes, moulds for making.....	1	Harness saddles.....	4
Glaziers' points, cutting.....	1	Harpoons.....	15
Globes.....	3	Harrows.....	25
Globes, design for.....	1	Harrow and roller, combined.....	1
Globes, for teaching geography.....	1	Harvester and thresher, combined.....	1
Glucose, manufacture of.....	1	Hatches, preventing from leaking.....	2
Glue, manufacture of.....	6	Hats, leather.....	3
Gold amalgamators.....	11	Hats, manufacture of.....	130
Gold, digging.....	1	Hat stands, design for.....	1
Gold, machines for beating.....	4	Hay elevators.....	1
Gold, preparing for filling teeth.....	6	Hay, loading.....	1
Gold, dissolving and refining.....	5	Hay, protecting and preserving.....	2
Gold separators.....	49	Hay, spreading and turning.....	1
Gongs.....	1	Head rests, for chairs.....	1
Gouges.....	1	Hearth plates, design for.....	1
Gout and rheumatism, cure of.....	3	Hearths, for ships.....	1
Governors.....	29	Heat, generating.....	39
Governors, steam-engine.....	6	Heating air, by hot water.....	2
Grain and grass harvesters.....	91	Heddles.....	9
Grain, elevating.....	6	Hedge trimmers.....	1
Grain, measuring.....	1	Heel cutters.....	1
Grain separators.....	19	Hemp machines.....	8
Grain washers.....	1	Hemp, manufacture of, from okra.....	1
Grammar, teaching.....	3	Hemorrhage, instrument for arresting.....	1
Granaries.....	2	Hermetical sealing.....	1
Grape vines, training.....	2	Hernia, cure of.....	2
Grapples, spring.....	1	Hides, bating.....	3
Grappling irons.....	1	Hides, preparing.....	27
Grass burners.....	1	Hinges.....	50
Graters.....	4	Hods, coal.....	1
Graters, nutmeg.....	1	Hoes.....	25
Grates.....	52	Hoes, planting.....	1
Grates, agitating.....	1	Hoisting machines.....	11
Grates, designs for.....	28	Hog pens.....	1
Grease cocks.....	1	Hones.....	1
Griddles.....	5	Hones, metallic.....	1
Gridirons.....	10	Hooks, chain.....	1

SUBJECT.	No.	SUBJECT.	No.
Hooks and eyes, for garments.....	12	Jointing boards.....	5
Hooks, for attaching bits to bridles.....	1	Joint, rule and socket.....	1
Hoops, making.....	11	Joints, carpenters' sliding.....	1
Hoops, splitting, machine for.....	1	Joints, for rules.....	1
Hopper blowers.....	1	Joints, for glass tubes.....	1
Horse shoes.....	6	Keels.....	4
Horse shoes, machines for making.....	2	Kettle bails.....	2
Horses and cattle, modes of breaking in.....	3	Kettles.....	8
Horses' ears, mode of setting.....	1	Kettles, hatters'.....	1
Horses' hoofs, instrument for paring.....	1	Kettles, tea.....	1
Horses, improving shape of.....	1	Key-hole protectors.....	2
Horses, machine for stopping.....	1	Keys, for musical instruments.....	1
Horses' tails, holding up, after nicking.....	1	Keys, watch.....	3
Horse powers.....	143	Kilns.....	20
Hose couplings.....	4	Kilns, lime.....	22
Hose, manufacture of.....	11	Kitchens.....	7
Hot-water apparatus.....	5	Knapsacks.....	2
Houses, portable.....	1	Knife saws.....	1
Hubs.....	22	Knife sharpeners and polishers.....	12
Hullers, coffee.....	7	Knitting machines.....	32
Hullers, cotton-seed.....	13	Knitting needles.....	1
Hullers, rice.....	54	Knives or dirks, attaching to pistols.....	1
Hurdles, for rearing silk worms.....	2	Knives, table.....	1
Husking machines.....	1	Knobs, of clay.....	1
Husks, splitting, for mattresses.....	1	Knots, machine for tying.....	1
Hydrants.....	22	Label cards.....	1
Hydraulic heaters.....	2	Ladles.....	1
Hydraulic presses.....	7	Lagging machine, for cutting circles.....	1
Hydraulic rams.....	16	Lamp black.....	4
Hydraulic structure.....	1	Lamps.....	185
Hydrolator.....	1	Lamps, alarm time-piece, for lighting.....	1
Hydrometers.....	2	Lamps, designs for.....	3
Hydrostatic presses.....	3	Lamps, rosin-oil.....	3
Ice breakers.....	8	Lamps, street, reflectors for.....	7
Ice-cream freezers.....	1	Lances, bomb.....	1
Ice, gathering and preserving.....	18	Lancets, revolving.....	1
Ice, manufacture of.....	5	Lancets, spring.....	7
Illumination, for stair cases.....	1	Land, clearing.....	1
Igniting, by hydrogen and platina.....	1	Landing net, for anglers.....	1
Impressions upon metal.....	1	Lanterns.....	14
Incrustation, in steam boilers, preventing.....	2	Lanyard chains.....	1
Inclined planes, ascending and descending.....	19	Lapping machines.....	1
Indicating motion, machine for.....	1	Lap stones.....	1
Inhaling apparatus.....	5	Lard, preparation of.....	3
Ink distributors.....	15	Last blocks, fastenings for.....	1
Ink fountains.....	1	Lasts.....	3
Ink, printers'.....	1	Latches, door.....	27
Inks, manufacture of.....	9	Lathes.....	84
Ink stands.....	17	Lathing buildings.....	1
Instructor, self.....	1	Lath machines.....	28
Insulators.....	4	Laths, metallic.....	1
Interest tables.....	6	Lead, red, manufacture of.....	1
Iron buildings.....	5	Lead, white, manufacture of.....	26
Iron, malleable, making directly from the ore.....	5	Lead pipes, manufacture of.....	7
Iron, manufacture of.....	29	Leaf holders.....	1
Irregular forms, cutting.....	3	Leather, cleansing.....	1
Isinglass, preparation of.....	4	Leather, crimping.....	9
Ivory, bleaching.....	1	Leather gauges.....	1
Ivory, inking.....	1	Leather, machines for splitting and cutting.....	36
Ivory, slitting.....	1	Leather, manufacture of.....	18
Jacks, lifting.....	16	Leather, polishing and finishing.....	9
Jacks, steam.....	1	Leather, pricking and punching.....	6
Jasper, artificial.....	1	Leather, rolling.....	4
		Leather, shaving.....	8

SUBJECT.	No.	SUBJECT.	No.
Leather, silvering and gilding.....	1	Machine, floating, for supplying ships with fresh water.....	1
Leather, stretching.....	2	Magazines, powder.....	1
Leather tubes, machines for making.....	1	Magnesia, preparation of.....	1
Leather, stripping.....	2	Magnetic cylinders.....	2
Leather, uniting by wooden or metallic pegs.....	1	Magnetic fire-alarms.....	1
Leather, water-proof.....	4	Magnetic machine, for washing and separ- ating gold.....	1
Lectography.....	1	Magnetic needles.....	1
Lee boards.....	1	Magneto-electric machine.....	1
Leeches, mechanical.....	1	Mail bags.....	8
Lee-way indicator.....	1	Mail bags, air-tight.....	1
Legs, artificial.....	8	Mail bags, labels for.....	2
Legs, apparatus for treating the.....	2	Maize harvesters.....	4
Lemonade, making.....	1	Mallets, screwing and worming.....	3
Lenses, adjusting.....	1	Malt, washing.....	1
Lens lamp-chimney.....	1	Mandrels, expanding.....	2
Letters and figures, metallic.....	1	Mandrels, for lining cylinders with metal.....	1
Letters, block.....	1	Mangles.....	1
Letters, shaded, making.....	1	Manifold letter-writer.....	1
Levels.....	7	Mantle pieces.....	3
Levels, pendulum.....	2	Mantle pieces, designs for.....	2
Lewises.....	1	Manures, artificial.....	4
Lexidromic pulley, for measuring ships' ways.....	1	Manure carts.....	2
Life pole and fire-engine assistant.....	1	Manure spreaders.....	6
Life preservers.....	19	Manuscript, copying.....	1
Lighters, for ships.....	1	Map holders.....	1
Lightning rods.....	8	Maps, coloring.....	2
Lightning rods, for vessels.....	1	Maps, instruments for delineating.....	3
Light, producing.....	6	Marble, preparing for painting.....	1
Lights, glass for ships.....	6	Mashing tubs.....	6
Lights, revolving, for light houses.....	1	Masts and spars, telescopic connection of.....	1
Likenesses, fixing to monuments.....	1	Match splints, manufacture of.....	14
Lime, spreading.....	1	Mats, manufacture of.....	2
Linch-pins and washers.....	2	Mattresses.....	17
Linen, smoothing.....	2	Mead, preparation of.....	4
Liquid, charging with gas.....	2	Meat tenderers.....	1
Liquids, purifying, by galvanism.....	1	Meat, mincing.....	1
Liquids, skimming.....	1	Meats, cutting.....	43
Liquors, cooling.....	1	Medallions, designs for.....	3
Liquors, determining strength of.....	1	Medicines.....	23
Lithography.....	2	Melodeons and seraphines.....	19
Lithotriptors.....	2	Mercantile houses, navigable.....	1
Locks and keys.....	178	Metallic bodies, treatment of.....	1
Locks, cannon.....	7	Metals, annealing.....	1
Locks, gun.....	42	Metals, bending.....	35
Locomotives.....	18	Metals, burnishing and planishing.....	2
Logs, hand.....	4	Metals, coating.....	7
Logs, setting.....	2	Metals, cutting.....	13
Longitudes, finding.....	1	Metals, dressing and polishing.....	9
Looms, for weaving figured fabrics.....	4	Metal separators.....	1
Looms, for weaving hair cloth.....	1	Metals, forging.....	33
Looms, for weaving harness.....	3	Metals, grinding.....	5
Looms, for weaving pile fabrics.....	10	Metals, hardening and tempering.....	8
Looms, hand.....	3	Metals, joining and riveting.....	2
Looms, Jacquard.....	10	Metals, moulds for casting.....	23
Looms, operating by electricity.....	1	Metals, planing.....	9
Looms, power.....	311	Metals, punching.....	22
Lotions.....	1	Metals, rolling.....	36
Lotteries.....	17	Metals, uniting by casting.....	5
Lounges.....	2	Metres, fluid.....	2
Luzenges, machine for cutting.....	1	Mile marks, cast-iron.....	1
Lubricating cylinders of steam engines.....	1	Milk cans.....	1
Macaroni, manufacture of.....	2	Milkers' protectors.....	1

SUBJECT.	No.	SUBJECT.	No.
Milking cows, instruments for.....	1	Nursing bottles.....	2
Milking stools, designs for.....	3	Nut crackers.....	1
Milk, preparing for butter and cheese....	1	Oakum, preparation of.....	13
Milk, preserving.....	1	Oar heads.....	2
Milk strainers.....	2	Oar-locks.....	1
Milking machines.....	2	Oars, machines for turning.....	1
Mills.....	32	Odometers.....	7
Mills, cattle.....	1	Oil-cloth, manufacture of.....	40
Mills, cider.....	20	Oil cups, for steam engines.....	3
Mills, coffee.....	20	Oil feeders.....	3
Mills, grinding.....	286	Oil, paraffine, manufacture of.....	2
Mill spindles.....	12	Oil, rosin, manufacture of.....	5
Mill stones.....	44	Oil-silk, manufacture of.....	1
Mill stones, dressing.....	20	Oils, manufacture of.....	40
Mineral-water apparatus.....	22	Ointments.....	6
Miniature cases.....	1	Omnibus registers.....	7
Mitre boxes.....	7	Omnibus steps.....	4
Moccasins.....	7	Opium, manufacture of.....	1
Molasses gates.....	2	Ores and stone, stamping and crushing..	19
Monuments, casting.....	1	Ores, reducing.....	7
Moorings, ships.....	1	Ore separators, electro-magnetic.....	1
Mop heads.....	4	Ores, washing.....	12
Morocco, polishing and finishing.....	7	Organ and piano-forte, combined.....	1
Mortar, mixing and preparing.....	1	Organs.....	6
Mortising machines.....	82	Organs, vocal, improvement of.....	1
Moth killers.....	1	Ornamental bodies, casting.....	1
Motion, rectilinear, changing to rotary....	6	Ornamenting columns.....	2
Motion, rotary, changing to rectilinear....	3	Ornamenting, gilding &c., with types....	1
Moulding machines, cutter heads of.....	1	Ornamenting railings.....	1
Mouldings.....	4	Ornamenting textile fabrics.....	1
Mouldings, enamelling.....	1	Ornamenting walls and ceilings.....	2
Mouldings ornamental, machine for plan- ing.....	1	Ornaments from anthracite coal.....	1
Moulds, for shaping boat timbers.....	1	Oven doors, designs for.....	2
Mowing and reaping machines.....	18	Ovens.....	58
Mowing grass under water.....	1	Over-shoes.....	4
Musical instruments.....	9	Ox-shoes, machine for making.....	1
Musical instruments, bellows for.....	1	Oxymuriate of lime, preparation of.....	1
Musical instruments, stringed.....	1	Oyster knives.....	2
Musical notations.....	2	Oyster platforms.....	1
Musical scale, revolving.....	1	Oysters, cooking.....	1
Music, arranging.....	1	Packages, marking and lettering.....	1
Music, printing.....	4	Packing, machines for.....	21
Music stands.....	1	Packings, for pistons.....	7
Music, teaching.....	1	Paddle wheels.....	15
Music, writing.....	4	Paillasses.....	1
Mustard, preparation of.....	2	Pails and buckets, manufacture of.....	1
Nails, instrument for driving in difficult places.....	1	Painting cloth.....	1
Nails, screw.....	2	Painting rooms.....	1
Nails, spikes, rivets &c., machines for making.....	225	Painting translucent surfaces.....	1
Nankeen, manufacture of.....	1	Paints.....	138
Napping cloth.....	36	Pales, for fences.....	2
Navigation.....	12	Palm-leaf hats, finishing.....	1
Needles, manufacture of.....	2	Palm-leaf, machines for splitting.....	3
Needles, sewing.....	1	Pans, manufacture of.....	3
Nets and seines.....	9	Pantographs.....	2
Newspapers, binding.....	2	Paper-cutting machines.....	2
Newspapers, printing subscribers' names on	1	Paper hangings.....	2
Nipper blocks, self-acting.....	1	Paper, machines for folding.....	2
Nipples, artificial.....	1	Paper, manufacture of.....	102
Nipple shields.....	2	Paper-ruling machines.....	1
Nozzles, tapering, for exhaust pipes.....	1	Paper, separating by single sheets.....	1
		Parallel motion, for beam engines.....	1
		Parrel and bow.....	1
		Pasteboard, manufacture of.....	3

SUBJECT.	No.	SUBJECT.	No.
Patterns, stamping on rollers.....	1	Pistols.....	5
Pavements.....	11	Pistols, revolving-breech.....	1
Pawls, jointed.....	1	Pistons.....	15
Peaches, peeling and cutting.....	1	Pitch, manufacture of.....	3
Pearlash, manufacture of.....	3	Pit saws.....	1
Pea vines, machine for gathering.....	1	Planes.....	26
Pedestals and columns, designs for.....	2	Planetaria.....	2
Pedestals, fastening to columns.....	1	Planing lumber "out of wind".....	1
Pegging machines.....	12	Planing machines.....	110
Pegs, shoe, manufacture of.....	14	Plants, destroying insects on.....	2
Pen and pencil cases.....	22	Plants, use of.....	1
Pen and pencil, combined.....	2	Plasters.....	3
Pencils, ever-pointed.....	5	Plate-holder, self-regulating.....	1
Pencils, tailors' marking.....	1	Plates, for pressing woolen clothes.....	1
Pendulum power.....	10	Plates, polishing.....	3
Pendulums.....	7	Plates, stereotype.....	10
Pendulums, for illustrating the motion of the earth.....	1	Plettro lira.....	1
Pen holders.....	8	Pliers, cutting.....	1
Pens, double.....	1	Plotting instruments.....	2
Pens, flying.....	1	Plow handles, machine for polishing.....	1
Pens, for ruling paper.....	2	Plow, planter and cultivator, combined.....	2
Pens, fountain.....	13	Plows.....	372
Pens, metallic.....	15	Plows, hill-side.....	28
Pens, microscopic.....	1	Plows, snow.....	3
Peppermint drops.....	1	Plugs, for ships.....	4
Perambulators, nautical.....	2	Pneumatic machines.....	3
Perambulators.....	1	Pocket book and watch safe, combined.....	1
Perspective, machine for drawing.....	1	Points, metallic, for removing paint.....	1
Percussion pellets.....	1	Poles of carriages, attaching.....	6
Percussion powder.....	1	Polishing wheels.....	1
Pessaries.....	9	Polygraphs.....	2
Pestle and mortar.....	1	Pontoons.....	2
Photographic pictures, composition for ma- king.....	1	Portfolios.....	1
Photographs.....	6	Porte-monnaies.....	1
Physiognotracés.....	2	Post-marking letters &c., machine for.....	1
Piano-fortes.....	106	Posts.....	1
Piano-fortes, designs for.....	2	Potash, manufacture of.....	15
Piano-fortes, glass strings for.....	1	Potatoe diggers.....	10
Piano-fortes, tuning.....	2	Potatoe planters.....	2
Pickers, cotton and wool.....	12	Potatoes, mode of preserving.....	1
Picture frames.....	1	Potatoes, washing.....	3
Pictures, shading, by metallic leaves.....	1	Preserving animal and vegetable substances.....	9
Pictures, with looking-glass back-ground.....	1	Preservers, fruit and vegetable.....	1
Pigments, from iron ore.....	1	Preservers, meat.....	3
Pile drivers.....	6	Preserving plants from frost.....	1
Pile fabrics, machine for cutting the pile of.....	1	Preserving vessels and wood under water.....	4
Piles, sawing off, under water.....	1	Presses.....	97
Pill boxes, machine for making.....	1	Presses, cheese.....	16
Pills, manufacture of.....	21	Presses, cotton.....	89
Pills, mode of counting.....	1	Presses, for copying letters.....	1
Pincers, for weaving pile fabrics.....	2	Presses, hay.....	16
Pins, dress.....	1	Presses, printing.....	117
Pins, machines for sticking.....	10	Presses, seal.....	2
Pins, manufacture of.....	8	Printers' forms, locking up.....	1
Pins, sewing.....	1	Printing.....	16
Pipes, casting.....	5	Printing, anastatic.....	1
Pipes, clay.....	10	Printing, electrographic.....	1
Pipes, inserting, through ground without excavations.....	1	Printing, in colors.....	4
Pipes, introducing wire into.....	1	Privies.....	14
Pipes, steam.....	2	Pronunciation of syllables.....	1
Pipes, water.....	19	Propelling vessels.....	251
		Protractors.....	6
		Provisions, preparation of.....	1
		Pruning shears.....	1

SUBJECT.	No.	SUBJECT.	No.
Prussiate of potash, preparation of.....	1	Rollers, calender.....	1
Pulleys.....	5	Rollers, covering, for sizing.....	1
Pulleys, attaching to shafts.....	1	Rollers, land.....	2
Pulleys, loose.....	1	Rollers, vibrating.....	1
Pulleys, window-cord.....	1	Roofs.....	.26
Pulp dressers.....	8	Rope spinners.....	.33
Pulp screws.....	1	Roving, cotton, machines for laying in cans	2
Pulverators.....	3	Rudders.....	.47
Pulverizers.....	1	Ruffles.....	1
Pumps.....	.259	Rulers, parallel.....	1
Pumps, air.....	2	Rules, printers'.....	1
Pumps, steam.....	4	Ruling machines.....	.18
Quadrants.....	9	Ruling paper.....	5
Quadrants, gunners'.....	1	Saccharifying rice, maize, &c.....	2
Quilting frames.....	5	Sacking, cotton.....	2
Racks and pinions.....	2	Saddle and winch, combined.....	1
Radiators.....	6	Saddle bags.....	2
Rafts.....	4	Saddles.....	.88
Rags, preparing for paper.....	.15	Saddle trees.....	8
Railings.....	4	Safes, fire-proof.....	.17
Railings, iron, designs for.....	3	Safes, portable, locking to the floor.....	1
Railroad cars, apparatus for starting.....	1	Sails.....	9
Railroads.....	.99	Saleratus, manufacture of.....	1
Railways, marine.....	.16	Saliva pumps.....	1
Railway tickets, printing.....	1	Salt, manufacture of.....	.72
Rakes.....	.57	Salts, alkaline and other, manufacture of	6
Rakes, for gathering apples.....	1	Sample boxes.....	1
Ramrods.....	2	Sand-paper holder.....	1
Ranges.....	.36	Sand-paper, manufacture of.....	7
Ranges, designs for.....	7	Sap buckets.....	1
Rapid-jack, for ascending rapids.....	1	Sash fasteners.....	.38
Rasps, peg.....	1	Sash machines.....	2
Ratans splitting.....	6	Sauce pans.....	1
Ratchet levers.....	1	Sausage stuffers.....	9
Rat traps.....	.18	Saving oil in machinery.....	1
Razor cases, portable.....	1	Saw gummers.....	.16
Razors.....	2	Saw mills.....	.259
Razor straps.....	.15	Saws, driving.....	4
Reading, mode of teaching.....	1	Saw sets.....	.98
Reconductors.....	1	Saws, for sawing ice.....	1
Rectifying spirits.....	6	Saw gates.....	2
Reeding and fluting machines.....	1	Saws, hanging.....	6
Reeling and twisting silk.....	1	Saws, sharpening.....	9
Reels.....	5	Saws, manufacture of.....	.72
Reels, for chalk lines.....	1	Saw teeth, nibbing.....	1
Reflectors, metallic.....	7	Scabbards.....	1
Refrigerators.....	.17	Scaffolds.....	1
Refrigerators, for steam and gas engines.....	1	Scagliola, shining, manufacture of.....	1
Registers, designs for.....	.12	Scalding hogs, machine for.....	1
Registers, stove.....	7	Scale boards, cutting.....	1
Respiring apparatus.....	1	Scales for weighing.....	6
Resuscitation, apparatus for.....	1	Scales, platform.....	.16
Reticules.....	1	Scarificators.....	5
Retorts.....	1	Scoops, submarine.....	1
Ribbons, manufacture of.....	1	Scouring goods.....	1
Rifles, scythe.....	4	Scrapers, cabinet makers'.....	1
Rigging vessels.....	7	Scrapers, wad.....	.10
Rims, making.....	2	Screens, fire.....	3
Ringed bells, by steam.....	1	Screw blanks, machines for making.....	.37
Riving machines.....	1	Screw blanks, threading.....	.24
Roasting jacks.....	2	Screw drivers.....	2
Roads.....	.10	Screws.....	.38
Rockets.....	.15	Screws and pins, machine for counting ..	1
Rocks, moving.....	1	Screws, Archimedean.....	3

SUBJECT.	No.	SUBJECT.	No.
Screws for propelling machinery.....	2	Sick, machine for removing the.....	1
Screw wrenches.....	14	Sieves, farm.....	2
Scribing lumber, machine for.....	1	Sifters, coal.....	4
Scrubbing machines.....	2	Sifters, sand and lime.....	1
Sculptors' apparatus.....	1	Sight, means of renovating & correcting the	1
Scythe fastenings.....	12	Signals, electro-magnetic.....	1
Scythes.....	18	Signals, railroad.....	2
Scythe snaths.....	10	Signals, submarine.....	3
Scythe snaths, attaching nibs to.....	4	Signs, for lottery offices.....	1
Scythe snaths, moulds for making.....	1	Silk, manufacture of.....	15
Sealing preserve cases.....	2	Silks, removing spots from.....	1
Sealing wax.....	1	Silks, straining and printing.....	1
Seal skins, curing.....	1	Silk worms, treatment of.....	3
Seals, notarial.....	1	Silvering looking-glasses.....	1
Seals, watch.....	1	Silver ware, manufacture of.....	1
Seats, for public buildings.....	2	Sinks.....	2
Seidlitz powders, machines for folding.....	2	Siphons.....	4
Selvages, double-stitched.....	1	Sirups, manufacture of.....	1
Sewers.....	4	Size, buckwheat, manufacture of.....	1
Sewing birds.....	3	Sizing cloth.....	2
Sewing butterfly.....	1	Sizing, paper, manufacture of.....	1
Sewing cloth.....	1	Skates.....	5
Sewing leather, machines for.....	4	Skins, dressing.....	2
Sewing machines.....	66	Skiving machines.....	5
Sewing-on bindings.....	1	Slabs, for fire bricks and stoves.....	1
Shafts, coupling.....	1	Slag ware, manufacture of.....	1
Shafts, sheet-iron.....	1	Slate frames.....	2
Shaving wood.....	5	Slates, artificial.....	1
Shears.....	8	Slates, manufacture of.....	6
Shears, tailors'.....	9	Sleds.....	4
Sheet lead, manufacture of.....	4	Sleigh bells.....	2
Shell or horn, machines for cutting.....	3	Sleighs.....	18
Shingle machines.....	132	Slitting timber.....	5
Ships' boats, raising.....	8	Slivers, reducing wood to.....	1
Ships, instruments for laying down curves of	1	Slotting machine.....	1
Ships, lifting out of water.....	1	Smoke and gases, condensing.....	1
Ships' model measurer.....	1	Smoke, consuming.....	3
Shirt bosoms.....	1	Smoke ventilators.....	1
Shirts, manufacture of.....	2	Smoothing irons.....	11
Shoe horns.....	1	Smut machines.....	140
Shoe knives.....	2	Snatch blocks.....	1
Shoemakers' work-stands.....	1	Soap, manufacture of.....	16
Shoemaker, the.....	1	Sockets.....	2
Shoe latches.....	1	Sockets, for bench hooks.....	1
Shoe-making machine.....	1	Soda, carbonate of, preparing.....	2
Shoe patterns, perpetual.....	1	Soda, chromate of, preparing.....	1
Shoes, horse, construction and manufac- ture of.....	21	Soda fountains.....	4
Shoes, India-rubber.....	3	Soda powders, papers for; machines for crimping.....	1
Shoe socks.....	3	Soda, stannate of, preparing.....	2
Shoes, stretching.....	1	Sofas.....	6
Shoes, water-proof.....	1	Soldering furnaces.....	1
Shooting, with steam.....	1	Soldering in a vacuum, apparatus for,...	1
Shot chargers.....	2	Soles, India-rubber or gutta-percha.....	1
Shot, manufacture of.....	14	Sores, curing.....	1
Shot pouches.....	1	Sounding boards, for musical instruments.	1
Shoulder irons, shoemakers'.....	1	Sounding instruments.....	3
Shovels.....	19	Spark arresters.....	81
Shovel stands.....	1	Speaking tubes.....	1
Shouldering machines.....	2	Spectacles.....	12
Shrouds of vessels, tightening.....	1	Speculum ani.....	1
Shutters.....	3	Speeders.....	5
Shuttles.....	8	Spherometers.....	1
Sickles, files for cutting.....	1	Spikes, machines for drawing.....	1

SUBJECT.	No.	SUBJECT.	No.
Spindles, for spinning.....	3	Stone-picking machines.....	1
Spine, instruments for treating the.....	5	Stools, piano-forte.....	2
Spinning cotton, machines for.....	202	Stoppers, chain-cable.....	5
Spinning flax or hemp, machines for.....	15	Stoppers, shank-painter.....	2
Spinning roving, machines for.....	3	Stores, preserving from fire.....	1
Spinning silk, machines for.....	5	Stove pipes.....	14
Spinning wheels.....	32	Stove pipes, thimbles for.....	1
Spinning wool, machines for.....	35	Stoves.....	682
Spirits and wines, ameliorating.....	1	Stoves, designs for.....	478
Spirits of turpentine, manufacture of.....	6	Stoves, gas.....	1
Spittoons.....	1	Strabismus, goggles for.....	1
Spittoons, design for.....	1	Straps, for pantaloons.....	2
Spit turner.....	1	Straps, leather, fastening.....	1
Splicing cotton and woolen rolls.....	1	Straps, leather, machines for edging and creasing.....	4
Splints, for baskets.....	1	Straw bonnets, pressing.....	5
Splints, surgical.....	6	Straw, braiding.....	2
Spoke shaves.....	1	Straw cutters.....	153
Spokes, machines for making.....	7	Straw, machines for cleaning.....	2
Spooling, machines for.....	2	Straw, weaving with silk or thread.....	1
Spools.....	3	Streets, sprinkling.....	1
Sponges, for artillery.....	1	Street sweepers.....	6
Spoons.....	22	Studs, for shirt bosoms.....	2
Spoons and forks, designs for.....	6	Stuffs, uniting fibres of, by adhesive mix- tures.....	1
Spoons, designs for.....	4	Stump extractors.....	21
Spoons, for administering medicine.....	1	Submarine vessels, steering.....	1
Spring-body carriages.....	1	Sugar, manufacture of.....	65
Springs.....	12	Sulphur, sublimating.....	2
Springs, car and carriage.....	81	Sumach, preparation of.....	5
Springs, for garments.....	2	Sun dials.....	3
Spurs.....	1	Sun-flower and rhubarb leaves, as a sub- stitute for tobacco.....	1
Square, scale, level and bevel, combined..	1	Sunken vessels, raising.....	22
Squares, carpenters'.....	5	Surgical operations.....	1
Squares, for finding centres of circles.....	1	Surveying instruments.....	4
Stables, releasing horses from, in case of fire	1	Suspenders, manufacture of.....	19
Stagings, construction of.....	1	Swings.....	2
Stagings, swing.....	1	Switches, railroad.....	15
Stairs, construction of.....	2	Swivel hooks.....	1
Stammering, instrument for curing.....	1	Swivel, screw, for steam engines.....	1
Stamping engravings on horn.....	1	Swivels, watch-chain.....	2
Stamps, for malleable metal.....	1	Sword canes.....	3
Stamps, letter.....	4	Syphilis, cure of.....	2
Stanchions, for cattle.....	1	Syringes, enema.....	3
Stands.....	1	Syringes, eye-bath.....	1
Starch, from maize.....	8	Syringes, shower.....	1
Statues.....	2	Table and bedstead, combined.....	1
Statues, method of casting.....	1	Table and chair, combined.....	1
Stave machines.....	93	Tables.....	19
Stays, ladies'.....	1	Tables, designs for.....	3
Steam, application of.....	14	Tables, extension.....	5
Steamboats.....	17	Tables, reading.....	2
Steam, exhaust, use of for creating draught	1	Tables, sea.....	3
Steaming apparatus.....	3	Tables, self-waiting.....	1
Steaming apparatus, agricultural.....	1	Tables, to hold bank notes.....	1
Steam tables.....	1	Tally, machines for keeping.....	2
Steel, manufacture of.....	16	Tanks, for supplying locomotives with wa- ter.....	1
Stencilling.....	3	Tannin, extraction of.....	7
Stethoscopes.....	1	Tanning.....	88
Stiles, sash, mortising.....	1	Tanning, compositions for.....	2
Stills.....	3	Tansy, essence of, extracting.....	1
Stirrups.....	6	Tapestry, printing yarns for.....	1
Stocks, gun, manufacture of.....	5		
Stocks, neck.....	11		
Stone, applying colors to.....	1		
Stone, cutting, dressing and polishing.....	84		

SUBJECT.	No.	SUBJECT.	No.
Tape-worm traps.....	2	Trucks, car.....	17
Teeth, artificial.....	33	Trucks, gun.....	1
Teeth, extracting.....	8	True meridian, finding the.....	1
Telegraphs.....	44	Trunk frames, metallic.....	1
Telegraph wires, composition for coating.....	1	Trunk handles.....	1
Telescopes.....	1	Trunks.....	12
Telescopes, submarine.....	2	Trusses.....	89
Temperature, regulating.....	1	Trusses, for vessels &c.....	9
Temples, weavers.....	8	Tubes, for glass lamps.....	1
Tenders, locomotive.....	1	Tubes, sheet-metal, manufacture of.....	17
Tenons, machines for cutting.....	17	Tuning forks.....	1
Ten-pins, setting up.....	3	Tunnels, submarine.....	6
Teentering cloth.....	3	Turn-tables.....	2
Tent frames.....	1	Tuyeres.....	21
Terrets.....	1	Twisting machines.....	2
Theodolites.....	3	Type cases.....	1
Thermostats.....	1	Typographer.....	1
Thigh fractures, apparatus for.....	1	Typography, universal.....	1
Thimbles.....	4	Types, casting.....	30
Thimbles, for rigging.....	3	Types, elastic, for printing on uneven sur- faces.....	1
Thrashing machines.....	378	Types, for cylinders.....	1
Thread and twine, manufacture of.....	9	Types, machines for setting & distributing.....	5
Tide gauges.....	3	Types, machines for smoothing.....	4
Tide mills.....	12	Types, setting, spaces for.....	1
Tiles, manufacture of.....	2	Types, wooden.....	1
Timber, ship, bending and preparing.....	3	Umbrella handles, machine for turning.....	1
Timber, machines for bending.....	2	Umbrellas.....	14
Timber, machines for boring.....	1	Umbrella stands, designs for.....	5
Timber, machines for dressing.....	4	Uterine injections, instrument for admin- istering.....	1
Tinder boxes.....	1	Vaccination, performing.....	4
Tin-plate-working.....	14	Valves.....	80
Tires.....	23	Valves, for wind instruments.....	1
Tobacco, curing.....	35	Valves, safety.....	4
Tobacco, preparation of.....	2	Varnishes.....	5
Toggle-joints.....	1	Vases.....	2
Toilet furniture.....	1	Vats, tan.....	8
Tombs, cast-iron, design for.....	1	Vault lights.....	2
Tongs.....	2	Vaults and cellars.....	10
Tonguing and grooving, machines for.....	22	Vegetable cutters.....	15
Tonsil instruments.....	2	Vegetable extracts.....	1
Tool holders.....	6	Velocimeters.....	2
Tools, for boring cast-iron recesses.....	1	Velocipedes.....	2
Tools, for grinding and polishing.....	1	Veneering.....	34
Tools, grinding.....	2	Ventilators.....	12
Toothache, remedies for.....	3	Ventilators, car.....	17
Topsails, extra guard to.....	1	Ventilators, ships.....	9
Topsails, reefing.....	2	Verdigris, manufacture of.....	1
Tops, pepper-box.....	1	Vermifuges.....	2
Torch lamps.....	1	Vermin, destroying.....	1
Torpedoes.....	1	Vessels, ascertaining centre of gravity of.....	1
Tourniquets.....	1	Vessels, ascertaining draught of.....	1
Tow-boats.....	5	Vessels, carrying over shoals.....	3
Towel stands, design for.....	1	Vessels, measuring depth of water in.....	2
Tow-lines.....	4	Vessels, of soft metals, manufacture of.....	1
Track, railroad, clearers.....	2	Vessels, paying the seams of.....	2
Trap doors.....	1	Vessels, planking.....	4
Traps, steam.....	1	Vessels, protecting against snags.....	3
Traps, mole, design for.....	1	Vessels, sheathing.....	2
Tread mills.....	2	Vessels, submarine.....	1
Tree-nails.....	3	Vessels, yards of, suspending.....	2
Trees, felling.....	1	Victualery, economical.....	1
Trees, preventing destruction of.....	4	Vinegar, manufacture of.....	5
Trees, tearing up.....	1		
Trigonometers.....	2		

SUBJECT.	No.	SUBJECT.	No.
Violins.....	6	Wheels, floating.....	1
Violins, keyed finger-board for.....	1	Wheels, weathercock.....	1
Violin, teaching the.....	1	Whiffletrees.....	11
Vises.....	22	Whip, percussion-pistol.....	1
Vitriolic test for bank bills.....	1	Whippers, cotton.....	5
Wadding, manufacture of.....	8	Whips.....	5
Waffle bakers.....	1	Whip-staffs, varnishing.....	1
Wagons.....	20	Whistles, child's, design for.....	1
Walls, building in deep water.....	1	Whistling tops.....	1
Walls, papering.....	1	Whiting, preparation of.....	1
Walls, securing staples to.....	1	Wickets.....	1
Wardrobes, portable.....	1	Wicks, candle.....	2
Ware, wooden, manufacture of.....	3	Wicks, spinning.....	2
Warming houses, by steam.....	2	Wigs.....	6
Warming rooms.....	18	Willowers.....	1
Warping and dressing yarns.....	1	Winches.....	2
Warp-net fabrics.....	2	Winches, ships'.....	1
Wash-boards.....	5	Winding cotton &c.....	12
Washers, bevelling surfaces of.....	1	Winding rope, cords &c.....	1
Washing machines.....	309	Wind instruments, mouth pieces for.....	1
Wash mixture.....	1	Windmills.....	14
Wash stands.....	3	Window blinds.....	15
Waste gates.....	1	Window frames.....	3
Watch chains.....	2	Window sashes, manufacture of.....	41
Watches.....	6	Windows, cleaning.....	1
Watch hands, stamping and punching.....	1	Windwheels.....	44
Water, conveying.....	3	Wine from cider, manufacture of.....	3
Water, cooling.....	4	Winnowing cranberries.....	1
Water guards, for doors.....	2	Winnowing machines.....	163
Watering cattle, apparatus for.....	3	Wire, manufacture of.....	21
Water, mode of obtaining.....	1	Wire rope, machines for making.....	2
Water power.....	18	Wire, weaving.....	2
Water-proof cloth.....	1	Withes, machine for twisting.....	1
Water, purifying.....	1	Wood, as a substitute for curled hair.....	1
Water wheels.....	327	Wool, cleansing.....	4
Waxed-ends, machine for twisting.....	1	Wool-combing machines.....	3
Wearing apparel; seamless felt for.....	1	Wool condensers.....	1
Weather strips.....	4	Woolen goods, manufacture of.....	40
Weaving double cloth.....	1	Woolens, printing on, design for.....	1
Wedge machines.....	1	Wool, removing from skins.....	1
Wedges, circular.....	1	Worming rigging, machine for.....	1
Weevils, destroying.....	3	Wrenches.....	10
Weighing grain, self-acting machine for.....	1	Wringing dyes from cloth.....	1
Weighing machines.....	13	Wringing machines.....	2
Weights, machines for raising.....	11	Writing desks.....	2
Weirs, for catching fish.....	1	Writing machines.....	3
Wells, covers of.....	1	Writing, modes of teaching.....	3
Wells, digging.....	8	Writing on glass, composition for.....	1
Welts, trimming and cutting.....	4	Writing-plates, geometrical.....	1
Whaling apparatus, electric.....	1	Yarn, manufacture of.....	1
Wharves.....	3	Yeas and nays, machines for taking.....	4
Wheat, preparation of, for grinding.....	1	Yokes, neck.....	1
Wheelbarrows.....	3	Yokes, ox.....	14
Wheels and track, railroad, combination of.....	1	Zinc, coating with lead.....	1
Wheels, car.....	292	Zinc, manufacture of.....	8

[July 18 1861]



J. S. BROWN

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AGENT FOR OBTAINING PATENTS

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